

Idaho State Department of Agriculture  
Nursery Advisory and Florists Advisory Committee  
**Research Grants (Approved and Denied)  
and Educational Outreach Grants**

2017 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2017-1	\$9,000.00	\$ 8,450.00	\$ 550.00		<i>Developing Rapid On-Site Diagnostic Methods for Fungal Plant Pathogens (\$4,225.00 paid on 4/10/2017.)</i>	James Woodhall, Ph.D., University of Idaho
NAC/ISDA 2016-1	\$5,000.00	\$ 5,000.00			<i>Idaho Horticulture Expo Seminars - Education (To be paid upon invoice after the 2018 Seminar.)</i>	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2016-2	\$6,000.00	\$ 6,000.00			<i>Plant Something Consumer Magazine (\$3,000.00 paid on 4/4/2017.)</i>	Ann Bates, Idaho Nursery & Landscape Association
<b>Total</b>	<b>\$20,000.00</b>	<b>\$ 19,450.00</b>	<b>\$ 550.00</b>			
2016 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2016-1	\$ 5,000.00	\$ 5,000.00			<i>Idaho Horticulture Expo Seminars - Education (To be paid upon invoice after the 2017 seminar.)(Paid in full on 4/4/2017.)</i>	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2016-2	\$ 2,101.00	\$ 2,101.00			<i>Updates to White Weevil Control (\$2,101.00 paid in full on 6/7/2016) (Extension request received 9/12/2016. Expires 12/2017.)</i>	Jennifer Jensen, University of Idaho Extension, Sandpoint
<b>Total</b>	<b>\$ 7,101.00</b>	<b>\$ 7,101.00</b>				
2015 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2015-1	\$ 2,096.00	\$ 2,055.00	\$ 41.00		<i>Exploring Procedures for Establishing Naturalized Wildflower Plantings in Urban and Suburban Sites (\$2,055.00 paid in full on 5/14/2015)(Extension request received 12/9/2015. Expires 12/2016)</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2015-2	\$ 15,556.00	\$ 14,000.00	\$ 1,556.00		<i>Improvement, Propagation, and Commercialization of Native Plants for Water-Conserving and Traditional Landscapes (\$7,000.00 paid on 5/14/2015)(Extension request received 12/9/2015. Expires 12/2016)(Balance of \$7,000.00 paid on 4/4/2017)</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2015-3	\$ 23,506.00	\$ 16,000.00	\$ 7,506.00		<i>Comparison of Boichar Sources Used in Potting Mixes (\$8,000.00 paid on 5/14/2015)(Extension request received 12/9/2015. Expires 12/2016)(Balance of \$8,000.00 paid on 4/4/2017)</i>	Robert R. Tripepi, Ph.D., University of Idaho

NAC/ISDA 2015-4	\$ 20,367.00	\$ -	\$ 20,367.00		Effects of Fertility Applied Through Subirrigation on Arrowleaf Balsamroot	Kent G. Apostol, Ph.D., University of Idaho
NAC/ISDA 2015-5	\$ 5,000.00	\$ 5,000.00			Idaho Horticulture Expo Seminars - Education (To be paid upon invoice after the 2016 seminar)(Paid in full on 5/10/2016)	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2015-6	\$ 11,343.00	\$ 9,000.00	\$ 2,343.00		Turf Management Effects on Annual Broadleaf Weed Invasion and Field Bindweed Management in a Kentucky Bluegrass Turf (\$4,500.00 paid on 5/14/2015)(Extension request received 12/9/2015. Expires 12/2016)(Balance of \$4,500.00 paid on 4/4/2017)	Don W. Morishita, Ph.D., University of Idaho
<b>Total</b>	<b>\$ 77,868.00</b>	<b>\$ 46,055.00</b>	<b>\$ 31,813.00</b>			
<b>2014 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2014-1	\$ 12,036.00	\$ 12,036.00			Improvement, Propagation, and Commercialization of Native Plants for Water-Conserving and Traditional Landscapes (\$6,018.00 paid on 3/5/2014)(Balance of \$6,018.00 paid on 5/14/2015)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2014-2	\$ 1,770.00	\$ 1,770.00			Exploring Procedures for Establishing Naturalized Wildflower Plantings in Urban and Suburban Sites (\$1,770.00 paid in full on 3/5/2014)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2014-3	\$ 5,000.00	\$ 5,000.00			Educational Seminar at the Idaho Horticulture Expo. January 21-23, 2015 (Paid in full on 3/5/2014)	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2014-4	\$ 13,575.00	\$ 13,575.00		\$ 511.06	Turf Management Effects on Annual Broadleaf Weed Invasion and Field Bindweed Management in a Kentucky Bluegrass Turf (\$6,787.50 paid on 3/5/2014. 511.06 unused. Balance due \$6,276.44.) (Balance of \$6,276.44 paid on 5/14/2015.)	Don Morishita, Ph.D., University of Idaho
NAC/ISDA 2014-5	\$ 3,000.00	\$ 3,000.00			A Regional Conference for Green Insustry in North Idaho (\$3,000.00 paid in full on 3/5/2014.)	Michael E. Bauer, University of Idaho Extension
NAC/ISDA 2014-6	\$ 11,121.00	\$ 11,121.00		\$ 723.33	Determining Tissue Culture Propagation Procedures for Selected Native Plants (\$5,560.50 paid on 3/5/2014. \$723.33 unsued. Balance due \$4,837.17.) (Balance of \$4,837.17 paid on 5/14/2015.)	Robert R. Tripepi, Ph.D., Stephen L. Love, Ph.D., University of Idaho
<b>Total</b>	<b>\$ 46,502.00</b>	<b>\$ 46,502.00</b>	<b>\$ -</b>	<b>\$ 1,234.39</b>		
<b>2013 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2013-1	\$ 5,000.00		\$ 5,000.00		Beneficial Influence of Humic Substance on Soil, Plant Health, and Crop Production.	Mir M. Seyedbagheri, University of Idaho, Elmore County Extension

NAC/ISDA 2013-2	\$ 2,000.00		\$ 2,000.00		Locally-Produced, After-Harvest Organic Materials as Peat Replacements.	Linda Chalker-Scott, Ph.D., Washington State University
NAC/ISDA 2013-3	\$ 11,810.00	\$ 11,810.00			Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes. (\$5,905.00 paid 3/13/2013)(Balance of \$5,905 paid in full on 3/5/2014)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2013-4	\$ 4,896.00	\$ 4,896.00			Establishing Naturalized Wildflower Plantings in Urban and Suburban Sites. (\$4,896.00 paid in full 3/13/2013)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2013-5	\$ 18,325.00	\$ 18,325.00		\$ 4,685.45	Determining the Effects of Biochar-Amended Potting Mixes on Native Plant Production. (\$9,162.50 paid 3/13/2013)(\$4,233.27 paid on 3/5/2014)(\$243.78 paid on 4/8/2014)(\$4,685.45 balance unused)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2013-6	\$ 5,000.00	\$ 5,000.00			Educational Seminar at the Idaho Horticulture Expo. January 22-24, 2014 (To be paid upon invoice after January 2014 meeting.)(Paid in full on 3/5/2014.)	Ann Bates, Idaho Nursery & Landscape Association
<b>Total</b>	<b>\$ 47,031.00</b>	<b>\$ 40,031.00</b>	<b>\$ 7,000.00</b>	<b>\$ 4,685.45</b>		
<b>2012 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2012-1	\$ 14,492.00	\$ 14,492.00			Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes (\$7,246 paid 3/15/2012. Balance \$7,246.00 paid 3/14/2013.)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2012-2	\$ 3,527.00	\$ 3,527.00			Irrigation and Nitrogen Fertilization Effects on White Clover Persistence in a Kentucky Bluegrass Turf (\$3,527 paid in full 3/15/2012.)	Tom Salaiz, University of Idaho
NAC/ISDA 2012-3	\$ 2,076.00	\$ 2,076.00			Native Plant Tolerance to Several Pre- and Postemergence Herbicides (\$2,076 paid in full 3/15/2012.)	Don Morishita, Ph.D., University of Idaho
NAC/ISDA 2012-4	\$ 28,836.00		\$ 28,836.00		The Economic Impacts of Hispanic Labor on Idaho's Horticultural Industry	Philip Watson, Ph.D.
NAC/ISDA 2012-5	\$ 30,157.50		\$ 30,157.50		Economic Impact of the Green Industry in Idaho	Stephanie L. Kane, University of Idaho
NAC/ISDA 2012-6	\$ 13,389.00	\$ 13,389.00			Testing Effectiveness of Four Idaho All Natural Fertilizers/Additives on Selected Herbaceous and Wood Plants (\$6,694.50 paid 3/15/2012. Balance \$6,694.50 paid 3/14/2013)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2012-7	\$ 17,300.00		\$ 17,300.00		Using Fertilizers to Adjust pH of a Manure-Amended Potting Mix	Robert R. Tripepi, Ph.D., University of Idaho

NAC/ISDA 2012-8	\$ 3,500.00	\$ 3,500.00			<i>Plant Something Awareness Campaign (\$3,500 paid in full 3/14/2012.)</i>	Ann Bates, Idaho Nursery & Landscape Association
Educational Outreach 2012	\$ 5,000.00	\$ 5,000.00			<i>Idaho Nursery and Landscape Association Idaho Horticulture Expo Seminars (January 18-20, 2012) (\$5,000 paid on 11/28/2011.)</i>	Ann Bates, Idaho Nursery & Landscape Association
Educational Outreach 2013	\$ 5,000.00	\$ 5,000.00			<i>Educational Seminar at the Idaho Horticulture Expo. January 23-25, 2013. (To be paid upon invoice after January 2013 meeting.)((\$5,000 paid 2/22/2013.)</i>	Ann Bates, Idaho Nursery & Landscape Association
<b>Total</b>	<b>\$123,277.50</b>	<b>\$ 46,984.00</b>	<b>\$ 76,293.50</b>			
<b>2011 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2011-1 (see explanation of final \$\$ under Research/ Education)	\$ 2,500.00	\$ 700.00	\$ 1,800.00		<i>A Certified Nursery Professional Training Program for Idaho (\$2,500 was denied on 1/22/11 and a proposed \$700 was approved if it was resubmitted.)((\$700 paid in full 2/25/11.)</i>	Michael E. Bauer, University of Idaho Extension
NAC/ISDA 2011-2 (see explanation of final \$\$ under Research/ Education Project)	\$ 14,132.00	\$ 8,500.00	\$ 5,632.00		<i>Native Plant Tolerance to Several Pre- and Post-emergence Herbicides (\$14,132 was denied on 1/22/11 and a proposed \$8,500 was approved if it was resubmitted.)((\$4,250 paid 4/25/11. Balance \$4,250 paid 3/15/2012.)</i>	Don Morishita, Ph.D., University of Idaho
NAC/ISDA 2011-3	\$ 13,040.00	\$ 13,040.00			<i>Irrigation and Nitrogen Fertilization Effects on White Clover Persistence in a Kentucky Bluegrass Turf (\$6,520 paid 4/25/11)(Balance \$6,520 paid 3/15/2012.)</i>	Tom Salaiz, University of Idaho
NAC/ISDA 2011-4	\$ 22,750.00	\$ 22,750.00			<i>Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes (\$11,375 paid on 4/25/11. \$11,375 paid on 3/15/2012.)</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2011-5	\$ 6,680.00		\$ 6,680.00		<i>Studies to Improve Establishment of Wildflower Meadow Plantings in Urban and Suburban Sites</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2011-6	\$ 8,250.00		\$ 8,250.00		<i>Mutation Breeding of Penstemon for Use in the Green Industry</i>	Brad Geary, Ph.D., Brigham Young University
NAC/ISDA 2011-7 (see explanation of final \$\$ under Research/ Education Project)	\$ 16,334.00	\$ 13,369.00	\$ 2,965.00		<i>Testing Effectiveness of Four Idaho All Natural Fertilizers/Additives on Selected Herbaceous and Woody Plants (\$16,334 was denied on 1/22/11 and a revised proposal will be considered if it was resubmitted.) (\$6,684.50 paid 6/22/11)(Balance \$6,684.50 paid 3/15/2012.)</i>	Robert R. Tripepi, Ph.D., University of Idaho

NAC/ISDA 2011-8 (see explanation of final \$\$ under Research/ Education Project)	\$ 17,900.00	\$ 11,949.00	\$ 5,921.00	\$ 95.02	Using Sulfur to Adjust the pH of a Manure-Amended Potting Mix (\$17,900 was denied on 1/22/11 and a proposed \$12,000 was approved if it was resubmitted.) (\$5,974.50 paid on 3/14/11. \$5,879.48 paid on 3/15/2012.)	Robert R. Tripepi, Ph.D., University of Idaho
Educational Outreach	\$ 5,000.00	\$ 5,000.00			Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 19-21, 2011) (\$5,000 paid 1/12/2011.)	Ann Bates, Idaho Nursery & Landscape Association
Nursery Survey 2010	\$ 1,800.00	\$ 1,800.00			Idaho Nursery Survey (\$1,800 paid 4/14/11.)	Vince Matthews, USDA-NASS
<b>Total</b>	<b>\$108,386.00</b>	<b>\$ 77,108.00</b>	<b>\$ 31,248.00</b>	<b>\$ 95.02</b>		
<b>2010 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2010-1	\$ 12,935.00	\$ 12,935.00			Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes (\$6,467.50 paid on 2/25/2010)(Paid \$6,467.50 on 2/23/2011)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2010-2	\$ 4,950.00	\$ 4,950.00			Evaluation of Native and Traditional Turfgrass Species for Low- Maintenance Lawns (Paid \$4,950.00 on 2/25/2010)	Thomas A. Salaiz, University of Idaho
NAC/ISDA 2010-3 (see explanation of final \$\$ under Research/ Education Project)	\$ 15,000.00	\$ 7,000.00	\$ 8,000.00		Alternative Plants to Invasive Species Landscaping Publication (\$15,000 was denied on 1/23/10 and a proposed \$2,000 was approved.)(An additional \$5,000 for printing costs was approved by NAC by email and paid on 10/1/2010.)	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2010-4	\$ 2,400.00		\$ 2,400.00		Alternative Potting Media Components: A Scientific Review	Linda Chalker-Scott, Ph.D., Washington State University
NAC/ISDA 2010-5	\$ 34,299.09		\$ 34,299.09		Economic Importance of the Green Industry in Idaho	J.D. Wulfhorst, Ph.D., University of Idaho
NAC/ISDA 2010-6	\$ 16,334.00	\$ 16,334.00			Testing Effectiveness of New All Natural Fertilizers/Additives on Selected Herbaceous and Woody Plants (Paid \$8,167.00 on 2/25/2010)(Paid balance \$8,167.00 on 2/23/2011)	Robert R. Tripepi, Ph.D., Joseph Kuhl, University of Idaho
NAC/ISDA 2010-7	\$ 4,970.00	\$ 4,970.00			Microbial Analyses of and Plant Growth in Composted Cattle Biosolids Sampled Over Time (Paid \$4,970.00 on 2/25/2010)	Robert R. Tripepi, Ph.D., Joseph Kuhl, University of Idaho
NAC/ISDA 2010-8	\$ 7,800.00	\$ 7,800.00			Mutation Breeding of Penstemon for Use in the Green Industry (Paid \$3,900.00 on 3/5/2010)(Paid \$3,900.00 on 2/23/2011)	Brad Geary, Ph.D., Brigham Young University
Nursery Survey 2009	\$ 1,800.00	\$ 1,800.00			Idaho Nursery Survey (paid 04/05/2010)	Vince Matthews, USDA-NASS



Educational Outreach	\$ 5,000.00	\$ 5,000.00			Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 20-23, 2010) (Paid 1/27/2010.)	Ann Bates, Idaho Nursery & Landscape Association
<b>Total</b>	<b>\$105,488.09</b>	<b>\$ 60,789.00</b>	<b>\$ 44,699.09</b>			
<b>2009 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2009-1	\$ 10,920.00	\$ 10,920.00		\$ 139.09	Evaluation of Native and Adapted Plants for Landscape Use (Paid \$5,460.00)(Paid \$5,460.00 on 2/25/2010)(Original grant was \$10,920. Unused funding in the amount of \$139.09 was received on 3/26/10. \$10,920.00 - 139.09 = \$10,780.91)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2009-2	\$ 5,050.00	\$ 5,050.00			Evaluation of Native and Traditional Turfgrass Species for Low- Maintenance Lawns (Paid \$5,050.00 on 3/3/2009)	Thomas A. Salaiz, University of Idaho
NAC/ISDA 2009-3	\$ 23,434.00	\$ 23,434.00		\$ 4,821.99	Determining Salt Leachate Rate and Suitability of Potting Mixes Amended with Anaerobic Digested Cattle Biosolids (Paid \$11,717.00 on 3/3/2009)(Paid \$11,717.00 on 2/25/2010) (Original grant was \$23,434. Unused funding in the amount of \$4,821.99 was received on 9/3/10. (\$23,434.00 - 4,821.99 = \$18,612.01)	Robert R. Tripepi, Ph.D., University of Idaho
Educational Outreach	\$ 5,000.00	\$ 5,000.00			Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 21-23, 2009) (Paid 1/5/2009)	Ann Bates, INLA
Nursery Survey 2008	\$ 1,800.00	\$ 1,800.00			Nursery Industry Survey (Paid 02/25/2009)	Bill Meyer, USDA-NASS
<b>Total</b>	<b>\$ 46,204.00</b>	<b>\$ 46,204.00</b>		<b>\$ 4,961.08</b>		
<b>2008 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2008-1	\$ 5,000.00	\$ 5,000.00			Managing New and Emerging Virus Threats to the Green Industry (Paid \$5,000.00 on 3/12/2008)	Hanu R. Pappu, Ph.D., Washington State University
NAC/ISDA 2008-2	\$ 11,355.00	\$ 11,355.00			Evaluation of Native and Adapted Plants for Landscape Use (Paid \$5,677.50 on 3/3/2008)(Paid balance \$5,677.50 on 3/3/2009)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2008-3	\$ 3,753.00	\$ 3,753.00			Evaluation of Native and Traditional Turfgrass Species for Low- Maintenance Lawns (Paid \$3,753.00 on 3/3/2008)	Thomas A. Salaiz, University of Idaho

NAC/ISDA 2008-4	\$ 16,561.00	\$ 16,561.00		\$ 7,061.55	Nursery Technical Resource Center (Paid \$8,280.50 on 3/3/2008)(Paid balance \$8,280.50 on 3/3/2009)(Original grant was \$16,561. Unused funding in the amount of \$7,061.55 was received on 3/4/10. \$16,561.00 - \$7,061.55 = \$9,499.45)	Danny L. Barney, Ph.D.; Stephen L. Love, Ph.D.; Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2008-5	\$ 26,340.00	\$ 26,340.00			Native Plants Production in Potting Media Amended With Anaerobic Digested Cattle Biosolids (Paid \$13,170.00 on 3/3/2008)(Paid balance \$13,170.00 on 3/3/2009)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2008-6	\$ 13,970.00		\$ 13,970.00		Ornamental Quality Ratings of Malus Cultivars	Michael Bauer, University of Idaho Extension
Educational Outreach	\$ 5,500.00	\$ 5,500.00			Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 16-18, 2008) (paid 1/2/2008)	Ann Bates, INLA
Nursery Survey 2007	\$ 1,000.00	\$ 1,000.00			Nursery Industry Survey (paid 05/13/08)	Bill Meyer, USDA-NASS
<b>Total</b>	<b>\$ 83,479.00</b>	<b>\$ 69,509.00</b>	<b>\$ 13,970.00</b>	<b>\$ 7,061.55</b>		
<b>2007 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2007-1 (see explanation of final \$\$ under Research/ Education Project)	\$ 5,996.00	\$ 5,996.00		\$ 1,433.22	Improving Rooting of Pinyon Pine Seedlings by Using Naphthaleneacetic Acid Treatments (Paid \$2,998.00 on 3/13/2007)(Paid balance \$2,998.00 on 3/3/2008)(Proposed \$4,482 plus an additional \$1,518 was approved for a total of \$6,000; amount was modified to \$5,996.) (Unused funding in the amount of \$1,433.22 was received on 6/25/08. \$5,996.00 - \$1,433.22 = \$4,562.78)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2007-2 (see explanation of final \$\$ under Research/ Education Project)	\$ 14,471.00	\$ 14,471.00		\$ 155.94	Production of Native Plants in Potting Media Amended with Flushed Cattle Biosolids (Paid \$7,235.50 on 3/13/2007)(Paid balance \$7,235.50 on 3/3/2008)(Original grant was \$14,471.00. Unused funding in the amount of \$155.94 was returned on 6/25/08. \$14,471.00 - \$155.94 = \$14,315.06)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2007-3	\$ 6,580.00		\$ 6,580.00		Evaluation and Selection of Native Woody Plants for the Intermountain Region	William A. Hoch, Ph.D., Montana State University
NAC/ISDA 2007-4	\$ 8,280.00	\$ 8,280.00			Breeding Native Western Plants for Use in the Green Industry (Paid \$4,140.00 on 3/13/2007)(Paid \$4,140.00 on 3/3/2008)	Brad Geary, Ph.D., Brigham Young University

NAC/ISDA 2007-5 (see explanation of final \$\$ under Research/ Education Project)	\$ 11,670.00	\$ 11,670.00		\$ 791.86	<i>Evaluation of Native and Adapted Plants for Landscape Use (Paid \$5,835.50 on 3/13/2007)(Paid balance \$5,837.50 on 3/3/2008)(Original grant was 11,670.00. Unused funding in the amount of \$791.86 was received on 4/14/08. \$11,670.00 - 791.86 = \$10,878.14)</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2007-6	\$ 10,000.00		\$ 10,000.00		<i>Development of Improved Landscape Plants (continuation)</i>	Harold Pellett, Ph.D., Landscape Plant Development Center
Nursery Survey 2006	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (paid 08/08/2007)</i>	William Meyer, Idaho Agricultural Statistics Service, USDA
Educational Outreach	\$ 3,000.00	\$ 3,000.00			<i>Horticulture Research Institute (paid 01/07/08)</i>	c/o Teresa Jodon, Horticulture Research Institute
<b>Total</b>	<b>\$ 60,997.00</b>	<b>\$ 44,417.00</b>	<b>\$ 16,580.00</b>	<b>\$ 2,381.02</b>		
<b>2006 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2006-1	\$ 11,820.00	\$ 11,820.00			<i>Evaluation of Native and Adapted Plants for Landscape Use (Paid \$5,910.00 on 3/15/2006)(Paid \$5,910.00 on 3/13/2007)</i>	Steven L. Love, Ph.D. & Thomas A. Salaiz, University of Idaho
NAC/ISDA 2006-2 (see explanation of final \$\$ under Research/ Education Project)	\$ 4,835.00	\$ 4,835.00		\$ 1,291.96	<i>Facilitation of Both a Statewide Arboretum Program and a New Plant Material Marketing System in Idaho (Paid \$4,835.00 on 3/15/2006)(Original funded amount \$4,835.00 minus \$1,291.96 refunded on 4/3/07 to leave a total of \$3,543.04.)</i>	Steven L. Love, Ph.D., University of Idaho
NAC/ISDA 2006-3	\$ 4,600.00	\$ 4,600.00		\$ 7,319.58	<i>Evaluation of Corkbark and Subalpine Fir for their Potential as Ornamental Nursery Stock and Christmas Trees (Paid \$4,600.00 on 3/15/2006)</i>	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2006-4	\$ 15,000.00		\$ 15,000.00		<i>Lake Pend Oreille Shoreline Landscape Education and Demonstration Project</i>	Linda O'Hare; Lance Holloway, Bonner Soil and Water Conservation District, Sandpoint; Idaho State Department of Agriculture
NAC/ISDA 2006-5 (see explanation of final \$\$ under Research/ Education Project)	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00		<i>Development of Improved Landscape Plants (Paid \$5,000.00 on 2/23/2006)(\$10,000 was originally denied and a proposed \$5,000 was approved.)</i>	Harold Pellet, Ph.D., Landscape Plant Development Center, Minnesota
NAC/ISDA 2006-6	\$ 8,040.00	\$ 8,040.00			<i>Using Shade to Improve Transplant Survival of Pinyon Pine and Sub- alpine Fir Seedlings (Paid \$4,020.00 on 3/15/2006)(Paid \$4,020.00 on 9/13/2007)</i>	Robert R. Tripepi, Ph.D., University of Idaho



NAC/ISDA 2006-7	\$ 4,520.00	\$ 4,520.00			<i>Growing Pinyon Pine and Sub-alpine Fir Seedlings in Fabric and Plastic Containers (Paid \$4,520.00 on 3/15/2006)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2006-8	\$ 19,050.00	\$ 19,050.00			<i>Effects of Wedge-Injected Plant Growth Regulator Flurprimidol on Herbivory and Stress Resistance in Patmore Green Ash ( <u>Fraxinus</u> pennsylvanica 'Patmore') (Paid \$9,525.00 on 3/15/2006)(Paid \$9,525.00 on 3/13/2007)</i>	John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2006-9 (see explanation of final \$\$ under Research/ Education Project)	\$ 16,700.00	\$ 1,000.00	\$ 15,700.00	\$ 1,000.00	<i>Impact of Mycorrhizal Root Dip on the Transplant Success of Ornamental Trees (Paid \$1,000.00 on 3/15/2006)(\$16,700 was denied but \$1,000 funding of preliminary data collection was approved; \$1,000 refunded 4/3/07.)</i>	John E. Lloyd, Ph.D., University of Idaho
Nursery Survey 2005	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (paid 06/2006)</i>	William Meyer, Idaho Agricultural Statistics Service, USDA
Educational Outreach	\$ 3,000.00	\$ 3,000.00			<i>Idaho Nursery &amp; Landscape Association Idaho Horticulture Expo (January 18-20, 2006) (paid 02/23/06)</i>	Ann Bates, INLA
<b>Total</b>	<b>\$ 98,565.00</b>	<b>\$ 62,865.00</b>	<b>\$ 35,700.00</b>	<b>\$ 9,611.54</b>		
<b>2005 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2005-1 (see explanation of final \$\$ under Research/ Education Project)	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00		<i>Development of Improved Landscape Plants (Paid \$5,000.00 on 3/11/2005)(\$10,000 was originally denied and a proposed \$5,000 was approved.)</i>	Harold Pellet, Ph.D., Landscape Plant Development Center, Minnesota
NAC/ISDA 2005-2	\$ 23,391.85	\$ 23,391.85			<i>How the Green Industry Impacts Idaho (Paid \$11,695.93 on 3/11/2005)(Paid \$11,695.92 8/25/2006)</i>	Sandra E. Cann, Ph.D.; J.D. Wulfhorst, Ph.D., University of Idaho
NAC/ISDA 2005-3	\$ 4,600.00	\$ 4,600.00			<i>Evaluation of Cork Bark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation) (Paid \$4,600.00 on 3/10/2005)</i>	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2005-4	\$ 10,836.00	\$ 10,836.00			<i>Using Auxin Treatments to Improve Pinyon Pine Transplant Survival (Paid \$5,418.00 on 3/10/2005)(Paid \$5,418.00 on 3/15/2006)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2005-5	\$ 13,966.00		\$ 13,966.00		<i>Transplanting Grand Fir to a Gravel Bed</i>	Robert R. Tripepi, Ph.D., University of Idaho
Nursery Survey 2004	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (paid 06/2005)</i>	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
Educational Outreach	\$ 2,000.00	\$ 2,000.00			<i>Horticultural Research Institute (paid 03/2005)</i>	

Educational Outreach	\$ 2,371.70	\$ 2,371.70			Idaho State Florist Association (paid 09/07/05)	
<b>Total</b>	<b>\$ 68,165.55</b>	<b>\$ 49,199.55</b>	<b>\$ 18,966.00</b>			
<b>2004 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2004-1	\$ 4,258.00	\$ 4,258.00			Holding Bareroot Colorado Spruce Trees in a Gravel Bed (Paid \$4,258.00 on 2/20/2004)	Robert R. Tripepi, Ph.D. & John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2004-2	\$ 8,398.00	\$ 8,398.00			Evaluating Pinyon Pine and Subalpine Fir Root Growth in a Gravel Bed Growing System (Paid \$4,199.00 on 2/20/2004)(Paid \$4,199.00 on 3/10/2005)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2004-3	\$ 3,700.00	\$ 3,700.00			Evaluation of Corkbark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation) (Paid \$3,700.00 on 2/20/2004)	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2004-4	\$ 5,000.00		\$ 5,000.00		Super Absorbent Douglas Fir Bark: A New Container Medium Component	Virginia I. Lohr, Ph.D. & Caroline H. Pearson-Mims, Ph.D., Washington State University
NAC/ISDA 2004-5	\$ 15,000.00	\$ 15,000.00			Effects of Holding Treatments on the Health of Transplanted Conifers (Paid \$7,500.00 on 2/20/2004)(Paid \$7,500.00 on 3/10/2005)	John E. Lloyd, Ph.D.; Robert R. Tripepi, Ph.D.; Jennifer Wood, University of Idaho
NAC/ISDA 2004-6	\$ 5,000.00	\$ 5,000.00			Alternative Practices for Aphid & Honeydew Management on Landscape Trees (Paid \$5,000.00 on 2/20/2004)	John E. Lloyd, Ph.D. & Steve Nittolo, University of Idaho
Nursery Survey 2003	\$ 1,000.00	\$ 1,000.00			Nursery Industry Survey (paid 05/2004)	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
<b>Total</b>	<b>\$ 42,356.00</b>	<b>\$ 37,356.00</b>	<b>\$ 5,000.00</b>			
<b>2003 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2003-1	\$ 3,425.00	\$ 3,425.00			Evaluation of Corkbark and SubAlpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation) (Paid \$3,425.00 on 2/11/2003)	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2003-2	\$ 4,360.25	\$ 4,360.25			Defining Business Operations Related to the Green Industry (Paid \$4,360.25 on 2/6/2003)	J.D. Wulforth, Ph.D. & Sandra E. Cann, Ph.D., University of Idaho

NAC/ISDA 2003-3	\$ 21,366.00	\$ 21,366.00			<i>Examining Fertilizer Treatments Used on Colorado Spruce to Maintain Post-Harvest Quality (Paid \$10,683.00 on 2/11/2003)(Paid \$10,683.00 on 2/20/2004)</i>	Robert R. Tripepi, Ph.D. & John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2003-4	\$ 14,823.00		\$ 14,823.00		<i>Determining the Effects of Fertilizer Treatments One Year After Application to Harvested B&amp;B Colorado Spruce</i>	Robert R. Tripepi, Ph.D. & John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2003-5	\$ 9,000.00		\$ 9,000.00		<i>White Fly Eradication with Ozone</i>	Janet Richardson, Lost River Geothermal
NAC/ISDA 2003-6	\$ 5,000.00		\$ 5,000.00		<i>Growing Bear Grass In Greenhouses</i>	Janet Richardson, Lost River Geothermal
NAC/ISDA 2003-7	\$ 13,008.00	\$ 13,008.00			<i>Using Degree-Day and Plant Phenological Models to Accurately Time Chemical Treatment of White Pine Weevil in Conifer Nurseries (project will be held over for the 2004 field season) (Paid \$6,504.00 on 2/11/2003)(Incompleted balance not paid.)</i>	John E. Lloyd, Ph.D.; Robert Wilson, Ph.D.; Edward Bechinski, Ph.D., University of Idaho
Nursery Survey 2002	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (paid 05/2003)</i>	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
<b>Total</b>	<b>\$ 71,982.25</b>	<b>\$ 43,159.25</b>	<b>\$ 28,823.00</b>			
<b>2002 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2002-1	\$ 10,000.00		\$ 10,000.00		<i>Development of Improved Landscape Plants</i>	Harold Pellett, Ph.D., Landscape Plant Development Center
NAC/ISDA 2002-2	\$ 2,900.00	\$ 2,900.00			<i>Evaluation of Corkbark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation of grant NAC/ISDA 2001-4) (Paid \$2,900 on 3/21/2002)</i>	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2002-3	\$ 21,016.00	\$ 21,016.00			<i>Examining Fertilizer Treatments Used on Colorado Spruce to Maintain Post-Harvest Quality (Paid \$10,508.00 on 3/22/2002)(Paid \$10,508.00 on 2/3/2003)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2002-4	\$ 5,709.00	\$ 5,709.00			<i>Evaluating a Gravel Bed Growing System to Produce Conifer Seedlings for Fall transplanting (continuation of grant NAC/ISDA 2001-1) (Paid \$5,709.00 on 3/22/2002)</i>	Robert R. Tripepi, Ph.D., University of Idaho
Nursery Survey 2001	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (paid 08/27/02)</i>	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
<b>Total</b>	<b>\$ 40,625.00</b>	<b>\$ 30,625.00</b>	<b>\$ 10,000.00</b>			
<b>2001 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>

NAC/ISDA 2001-1	\$ 7,246.00	\$ 7,246.00			<i>Evaluating a Gravel Bed Growing System to Produce Conifer Seedlings for Fall Transplanting (Paid \$3,623.00 on 3/19/2001)(Balance \$3,623.00 paid)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2001-2	\$ 4,580.00		\$ 4,580.00		<i>Improving Gene Transfer Techniques for Rhododendron</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2001-3	\$ 10,972.00		\$ 10,972.00		<i>Integrated Disease Management of hizoctonia in Rooting-Mist Beds (This proposal was rescinded.)</i>	Warren Copes, Ph.D., Washington State University
NAC/ISDA 2001-4	\$ 1,131.00	\$ 1,131.00			<i>Evaluation of Corkbark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation of grant NAC/ISDA 2000-1) (Paid \$1,131.00 on 3/19/2001)</i>	Danny L. Barney, Ph.D., University of Idaho
Nursery Survey 2000	\$ 1,000.00	\$ 1,000.00			<i>Nursery and Greenhouse Survey (paid 04/24/01)</i>	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
<b>Total</b>	<b>\$ 24,929.00</b>	<b>\$ 9,377.00</b>	<b>\$ 15,552.00</b>			
<b>2000 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2000-1	\$ 4,280.00	\$ 4,280.00			<i>Evaluation of Corkbark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (Paid \$4,280.00 on 2/9/2000)</i>	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2000-2	\$ 2,448.00	\$ 2,448.00			<i>Production of Evergreen Shrubs in Paper Sludge-Amended Media (Paid \$2,448.00 on 2/10/2000)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2000-3	\$ 1,000.00	\$ 1,000.00			<i>Idaho Nursery and Greenhouse Survey - 1999 (Paid \$1,000.00 on 2/9/2000)</i>	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
NAC/ISDA 2000-4	\$ 20,000.00	\$ 20,000.00			<i>Economic Impact Analysis of Horticulture Industry in Idaho (Cover title is: The Green Industry in Idaho, July 2001) (Paid \$10,000.00 on 6/9/2000)</i>	J.D. Wulfhorst, Ph.D.; James R. Nelson, Ph.D.; R.G. Taylor, Ph.D., University of Idaho
<b>Total</b>	<b>\$ 27,728.00</b>	<b>\$ 27,728.00</b>				